



DATE: April 15, 1977

EPA Region 5 Records Ctr.



298180

TO: Keith Conklin

I.D. 119

FROM: Walter Franke

SUBJECT: AMOCO OIL - Permit Conditions

RECEIVED

ENVIRONMENTAL PROTECTION AGENCY
REGION 5 AIR POLLUTION CONTROL
STATE OF ILLINOIS
APR 18 1977

As a result of operating problems at Shell's sulfur recovery facility which supplies lean DEA for sulfur removal at Shell, Amoco, and Clark, conferences were held with the three refineries. Episode action plans were revised, and the refineries have agreed to reduce SO₂ emissions whenever the sulfur plant is not operating effectively--regardless of ambient SO₂ concentrations recorded at the Wood River monitor. Such actions appear necessary because of the tremendous increase (16,750 lb/hr. to 48,170 lb/hr.) in SO₂ emissions when the sulfur plant is down or malfunctioning. It is requested that certain special operating conditions be incorporated, at renewal time, into sources affected by the sulfur recovery facility. For Amoco, these conditions are as follows:

1. Amoco shall immediately notify the Agency's Region IV Office by phone of any malfunction of any component of Amoco's sulfur recovery system that results in violations of the SO₂ emission regulations. This shall include Shell Oil's inability to supply Amoco with adequate lean DEA for H₂S scrubbing.
2. Whenever the Shell sulfur recovery facility is not recovering at least 75% of the total sulfur available from Shell, Amoco, and Clark, Amoco shall shut down the ultrafiner "B" section or go on recirculation as soon as practicable, and shall switch to the lowest sulfur fuel available to the No. 5 pipestill and the power station. This reduction in SO₂ will be approximately 24 T/day.

The operating permits which include sources which are kept in compliance with SO₂ regulations by the sulfur recovery facility are as follows:

<u>Permit Number</u>	<u>Name of Operation</u>	<u>Expiration Date</u>
Ø 211 0482	Detergent Additives Plant	2/21/75
Ø 211 0580	No. 2 Polybutene Unit	8/30/75
Ø 211 0581	No. 2 Fluid Cracking Unit	2/23/78
Ø 211 0585	Ultraformer	1/02/77
Ø 211 0586	No. 5 Pipestill	8/30/75
Ø 211 0588	Multipurposes Additives Plant	12/31/73
Ø 211 0854	Ammonia Terminal	9/12/78
Ø 301 0185	Asphalt Mfg. Packaging & Loading	3/23/78
Ø 302 0083	Utilities Division	4/11/78
Ø 409 0013	General Additives Plant	9/12/79
Ø 509 0076	Ultrafiner B Section	2/16/79

April 15, 1977

Existing permits which are for sources not directly affected by the sulfur plant are as follows:

<u>Permit Number</u>	<u>Name of Operation</u>	<u>Expiration Date</u>
Ø 211 0574	Alkylation Unit	9/17/79
Ø 211 0575	Gasoline Deoderization Unit	2/26/78
Ø 212 0446	Continuous Heater Oil Treating Plant	3/08/78
Ø 212 0447	Area C Separator	4/16/79
Ø 212 0448	Main Separators	9/26/78
Ø 212 0449	LPG Terminal	10/03/78
Ø 212 0450	Barrel Filling & Shipping	10/21/79
Ø 212 0451	Lube & Additive Compounding	12/29/77
Ø 212 0452	Syntholube Plant	12/29/77
Ø 212 0719	Central Pumphouse & Tank Farm	1/23/78
Ø 302 0079	No. 5 and 5A Truck Loading Racks	11/26/79
Ø 302 0080	Barge Loading & Unloading	3/2/78
Ø 302 0081	Mechanical Shops	3/02/78
Ø 302 0082	Main Tank Car Loading Racks	4/11/78
Ø 312 0005	Tank 7299 Crude Oil Storage	1/11/79
Ø 509 0060	Transfer Pumps	11/16/80
Ø 509 0061	Hydrocarbon Storage Tanks	11/16/80
Ø 601 0029	Gasoline Additive Blending System	2/16/79

WHF:MWE:pbo

cc: Pat Lynch
cc: Miles Zamco
cc: Region IV Files